

ABSTRACT

An electrolytic method is provided for purifying an aqueous eluent stream comprising an electrolyte and suitable for use as a chromatography eluent, the electrolyte comprising selected ions of one charge, positive or negative, including at least one contaminant ion of opposite charge. In one embodiment, the eluent stream flows through a purifying flow channel, including ion exchange bed, an electric field is applied through the flowing eluent stream in the purifying flow channel, and the contaminant ion is removed from the eluent stream. In another embodiment, no electric field is applied and the ion exchange bed is periodically regenerated. Two beds may be used with one bed on line while the other bed is regenerated followed by a reversal of flow.

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